

You Are on Earth and Have a Bathroom Scale that Measures Weights in N

You measure that you have $5N$ of gold.

You have an astronaut friend, Sue, who is on the surface of the Moon. She has an identical scale and some gold. She measures that she also has $5N$ of gold.

Who is richer?

- A. You are richer
- B. Sue is richer
- C. You are equally rich
- D. Cannot tell

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You measure that you have $5N$ of gold.

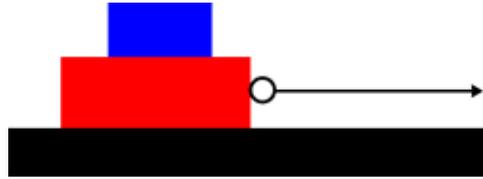
You have another astronaut friend, Lou, who is on the space shuttle in orbit around the Earth. He also has a scale and some gold. When he place the gold on the scale, it reads **zero**.

Who is richer?

- A. You are richer
- B. Lou is richer
- C. You are equally rich
- D. Cannot tell

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What Does Friction Do?



- A. It always slows things down.
- B. It always speeds things up.
- C. It can do both.